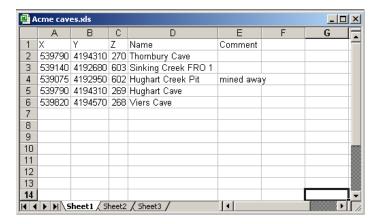
## **HOWTO:** Add Excel Data to ArcMap

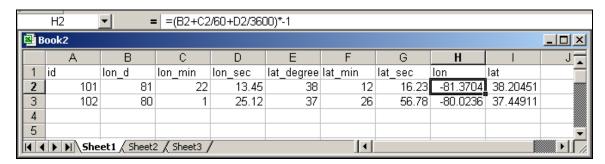
1. Add column names to the first row of the excel file; these will become the field names for the dbf file.

Use <u>Format --> Column --> AutoFit Selection</u> to adjust the column widths, so that text fields are not truncated. In the example below the letter *y* was truncated from cell E4 because the column was not wide enough.

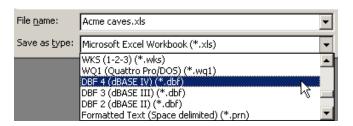


2. Geographic coordinates (longitude/latitude) in degree, minute, second format need to be converted to decimal degrees. The formulas are:

Longitude needs to be negative, hence the multiplication by –1. Below is an example spreadsheet that performs the necessary conversion:



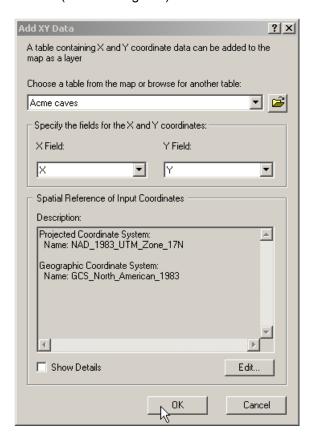
3. Save as a dbase IV file. under **File --> Save As**, select DBF 4 as the file type



4. Close the file in excel after saving! Windows will not allow two programs to access the same file at the same time, and Arcmap will not display an error—it just won't work.

5. In Arcmap, select **Tools --> Add XYData**. Locate the DBF file, select the XY fields, and select the coordinate system used.

For longitude/latitude coordinates, the X Field is longitude (-77 to –83 degrees) and the Y Field is latitude (37 to 41 degrees)



## Optional:

5. Save the Events theme as a shapefile. Right click on the layer and select Data --> Export Data from the dropdown menu. Since shapefiles use a dbf file to store attribute info, be sure to select a shapefile name that is different from the name given to the DBF file in step 2.

